LRT-440

DESCRIPTION

LRT-440 WPC is a new solution for C2 wearable computer) within "Soldato Futuro" Italian Program.

Specific SW and HW interfaces, allow processing, transfer and presentation of all Command and Control data. Considering the particular application of employment, the architecture of WPC is based on electronic components who integrate a considerable number of functions in a single device. Both versions of display 3.5" for the Soldier and 6.4" for Commander - are connected to WPC by an USB interface; in this way is possible disconnection from WPC in every moment, without to interrupt the elaborative activity in course.

The associate USB rubber compact keyboard is backlighted for nocturnal employment.

The system include an intelligent Power Supply module has the function to distribute, to manage and control the necessary energy for the mission of Soldier, in order to completely satisfy all requirement in terms of autonomy. The status of the Power Supply can be checked any time on the WPC where are available all the necessary information regarding the batteries in terms of remaining time of operativity and which peripherals can be disconnect in order to get more autonomy maintaining the basic capability.

MAIN FEATURES

- The LRT-440 computer unit is powered by PXA270 processor (415 MHz) which integrate a MMX wireless technology.
- Standard Windows CE? 5.0 operative system
- High mission autonomy, from 6 to 24 hours by use of different battery pack. The maximum operative configuration use a double battery power supply feeding system.
- The LRT-440 is electrically and mechanically protected against any short circuit and any incorrect use of the connectors.
- The touch screen display and the associated function and control keys permit to simply access to the software utility

OPTIONAL

- infrastructural multichannel recharging module for 6 LRT-440 directly from any type of VAC source as an optional equipment.
- full MIL personal field emergency recharging system able to manage type of DC power source
- The LRT-440 computer unit is powered by PXA270 processor (415 MHz) which integrate a MMX wireless technology.
- Display shock resistant kit

TECHNICAL SPECIFICATIONS

Composed of	Processor Unit
	Display Unit (3.5") or (6.4")
Processor	PXA250 400 MHz, 128 MB RAM, 128 MB Flash
I/O	Ethernet
	USB
	RS-232C
	WiFi
	Bluetooth
	Audio AC97

Video OUTPUT for HMD

Power supply	external 24 Vdc or the appropriate battery pack
Operational Temperature	-25 ÷ +55°C
Storage Temperature:	-40 ÷ +70°C
Dimensions (approx.)	Processor Unit: 100 x 120 x 30 mm
	Display Unit (3.5"): 90 x 120 x 25 mm
	Display Unit (6.4"): 150 x 190 x 40 mm
Weight (approx.)	Processor Unit: 500g
	Display Unit (3.5"): 300g
	Display Unit (6.4"): 900g
IP protection index	IP 67
Mechanical & Environmental	according to MIL-STD-810
EMI/EMC	according to MIL-STD-461